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WHAT IS CLAIMED IS:

1	1. A method for reducing artifacts in a video stream, comprising the steps of:			
2	decoding the video stream; and			
3	adding noise to at least one pixel in a picture in the video stream following decoding in			
4	an amount correlated to additive noise of pixels in at least one prior picture.			
1	2. The method according to claim 1 wherein the at least one prior picture			
2	comprises a previously displayed picture.			
1	3. The method according to claim 1 where the at least one prior picture comprises			
2	a previously decoded picture			
1	4. The method according to claim 1 wherein the amount of noise is correlated in			
2	accordance with a correlation factor α having a value such that $0 \le \alpha \le 1$.			
1	5. The method according to claim 1 wherein the amount of noise is correlated			
2	using an instantiation of a Finite Impulse Response (FIR) filter.			
1	6. The method according to claim 1 wherein the amount of noise is correlated			
2				
1	7. The method according to claim 1 further comprising the steps of:			
2	extracting bit stream information from the video stream; and			
3	determining strength of the added noise in accordance with the bit stream information			
1	8. The method according to claim 7 wherein the bit stream information comprises			
2	a quantization parameter.			
1	9. The method according to claim 1 wherein the added noise is Gaussian noise.			

The method according to claim 1 wherein the added noise is Laplacian noise.

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1	11	A model of the colorest colore		
1	11.	A method for reducing artifacts in a video stream, comprising the steps of:		
2 .	decoding the video stream; and			
3	adding noise to at least one pixel in a picture in the video stream following decoding in			
4	an amount co	rrelated to additive noise of at least one other pixel in the picture.		
1	12.	A decoder arrangement for decoding a coded video stream to yield reduced		
2	artifacts, comprising:			
3	a video decoder for decoding an incoming coded video stream to yield decoded			
4	pictures;			
5	a reference picture store for storing at least one previously decoded picture for use by			
6	the decoder in decoding future pictures,			
7	a noise generator noise for generating noise for addition to at least one pixel in a			
8	decoded picture in an amount correlated to additive noise of at least one pixel in at least one			
9	prior picture;			
10	a summing block for summing the noise generated by the noise generator with a			
11	decoded picture from the decoder; and			
12	a clipper for clipping the summed noise and decoded picture.			
1	13.	The decoder arrangement according to claim 12 wherein the noise generator		
2	implements an instantiation of a Finite Impulse Response filter.			
1	. 14.	The decoder arrangement according to claim 12 wherein the noise generator		
2	implements an approximation of an Infinite Impulse Response filter.			
1	15.	The decoder arrangement according to claim 12 wherein the noise generator		
2	•			
3	the decoder.			
1	16.	The decoder arrangement according to claim 12 wherein the bit stream		
2	information comprises a quantization parameter.			

1	17. The decoder arrangement according to claim 12 further including a noise			
2	picture store for storing the noise information for subsequent use by the noise generator.			
1	18. The decoder arrangement method according to claim 12 wherein the noise			
2	generator adds Gaussian noise.			
1	19. The decoder arrangement method according to claim 12 wherein the noise			
2	generator adds Laplacian noise.			
1	20. A decoder arrangement for decoding a coded video stream to yield reduced			
2	artifacts, comprising:			
3	a video decoder for decoding an incoming coded video stream to yield decoded			
4	pictures;			
5	a reference picture store for at least one storing at least one previously decoded picture			
6	for use by the decoder in decoding future pictures,			
7 ,	a noise generator noise for generating noise in accordance with decoded pictures and			
8	bit stream information from the decoder for addition to at least one pixel in decoded in an			
9	amount correlated to additive noise of at least one pixel in a prior picture;			
10	a summing block for summing the noise generated by the noise generator with a			
11	decoded picture from the decoder; and			
12	a clipper for clipping the summed noise and decoded picture.			
1	21. The decoder arrangement according to claim 20 wherein the bit stream			
2	information comprises a quantization parameter.			
1	22. The decoder arrangement according to claim 20 wherein the noise generator			
2	implements an instantiation of a Finite Impulse Response filter.			
1	23. The decoder arrangement according to claim 20 wherein the noise generator			
2	implements an approximation of an Infinite Impulse Response filter.			

generator adds Gaussian noise.

1	24.	The decoder arrangement according to claim 20 further including a noise		
2	picture store for storing the noise information for subsequent use by the noise generator.			
1	25.	The decoder arrangement mathed according to all 100 had a		
		The decoder arrangement method according to claim 20 wherein the noise		
2	generator add	Is Gaussian noise.		
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1	26.	The decoder arrangement method according to claim 20 wherein the noise		
2	generator adds Laplacian noise.			
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1	27.	A decoder arrangement for decoding a coded video stream to yield reduced		
2	artifacts, comprising:			
3	a video decoder for decoding an incoming coded video stream to yield decoded			
4	pictures;			
5	a reference picture store for at least one storing picture previously decoded by the			
6	decoder for use by the decoder in decoding future pictures,			
7	a noise generator noise for generating noise for addition to at least one pixel in a			
8 ·	decoded picture in an amount correlated to additive noise of pixels in a prior picture;			
9	a noise picture store for storing the noise information for subsequent use by the noise			
10	generator;			
11	a summing block for summing the noise generated by the noise generator with a			
12	decoded picture from the decoder;			
13	a clipper for clipping the summed noise and decoded picture.			
14		•		
1	28.	The decoder arrangement according to claim 27 wherein the noise generator		
2.	implements an instantiation of a Finite Impulse Response filter.			
1	29.	The decoder arrangement according to claim 27 wherein the noise generator		
2	implements	an approximation of an Infinite Impulse Response filter.		
1	30.	The decoder arrangement method according to claim 27 wherein the noise		

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The decoder arrangement method according to claim 27 wherein the noise 1 2 generator adds Laplacian noise. A decoder arrangement for decoding a coded video stream to yield reduced 1 . 32. 2 artifacts, comprising: a video decoder for decoding an incoming coded video stream to yield decoded 3 4 pictures; a reference picture store for storing at least one previously decoded picture for use by 5 6 the decoder in decoding future pictures, a noise generator noise for generating noise for addition to at least one pixel in a 7 decoded picture in an amount correlated to additive noise of at least one pixel in the picture; 8 a summing block for summing the noise generated by the noise generator with a 9 10 decoded picture from the decoder; and 11 a clipper for clipping the summed noise and decoded picture.